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<b>TRANSMITTAL LETTER TO THE UNITED STATES                  DESIGNATED/ELECTED OFFICE (DO/EO/US)                  CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 13920US U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/537503</b>
INTERNATIONAL APPLICATION NO. PCT/US2003/039037	INTERNATIONAL FILING DATE 5 Dec 2003 (05.12.2003)	PRIORITY DATE CLAIMED 5 Dec 2002 (05.12.2002) and 6 Feb 2003 (06.02.2003)
TITLE OF INVENTION METHODS OF REMOVING SULFUR FROM A FUEL CELL ELECTRODE		
APPLICANT(S) FOR DO/EO/US SAUNDERS, James H.; MARKWORTH, Alan J. (deceased); GLENN, Bradley C.; and HINDIN, Barry		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: 2-pg. facsimile to IB Correcting Inventor/Applicant Status for Markworth, dated 01 June 2005		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold;">10/537503</div>		INTERNATIONAL APPLICATION NO. PCT/US2003/039037		ATTORNEY'S DOCKET NUMBER 13920US	
The following fees have been submitted				CALCULATIONS      PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$ 400.00	
TOTAL OF 21, 22 and 23 =				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	10 - 20 =	0	x \$ 50	\$ --	
Independent claims	3 - 3 =	0	x \$200	\$ --	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 900.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 450.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 450.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 490.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>					
<p>SEND ALL CORRESPONDENCE TO:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>BATTELLE MEMORIAL INSTITUTE Intellectual Property Law Dept. 505 King Avenue Columbus, Ohio 43201-2693 USA</p> </div> <div style="width: 45%; text-align: right;"> <div style="font-family: cursive; font-size: 1.2em; margin-bottom: 5px;">C. Michael Gegenheimer</div> <div style="border-top: 1px solid black; margin-bottom: 5px;"></div> <div style="font-size: 0.8em;">SIGNATURE</div> <div style="border-top: 1px solid black; margin-bottom: 5px;"></div> <div style="font-size: 0.8em;">NAME</div> <div style="border-top: 1px solid black; margin-bottom: 5px;"></div> <div style="font-size: 0.8em;">33,387</div> <div style="border-top: 1px solid black; margin-bottom: 5px;"></div> <div style="font-size: 0.8em;">REGISTRATION NUMBER</div> </div> </div>					

10/537503  
JC17 Rec'd PCT/PTO 03 JUN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
DO/EO/US  
CONCERNING SUBMISSION UNDER 35 U.S.C. 371

In re U.S. National Entry of )  
PCT/US2003/039037 )  
Inventors: Saunders, James H. *et al.* ) File No: 13920US  
Filing Date: Herewith )  
For: METHODS OF REMOVING SULFUR ) Date: 03 June 2005  
FROM A FUEL CELL ELECTRODE )

**CERTIFICATE OF MAILING**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

The undersigned hereby certifies that the attached:

Item	No. of Sheets
PTO-1390 Transmittal Letter to DO/EO/US Concerning Submission under 35 U.S.C. 371	2
PTO-2038 Credit Card Payment Form	1
PTO/SB/01 Declaration	4
PTO-1595 Recordation Form Cover Sheet (in duplicate) and Assignment	7
Preliminary Amendment	5
PTO/SB/81 Power of Attorney	4
Delegation of Authority to C. Michael Gegenheimer	1
Request to IB to Correct Inventor/Application Status for MARKWORTH, sent via facsimile 01 June 2005	2
Return Receipt Postcard	1

are being deposited with the United States Postal Service as:

☐ First Class Mail  
☒ Express Mail - Label # ED560240523US

in an envelope addressed to the Commissioner for Patents, Mail Stop PCT, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date set forth below.

Brenda Block Koone  
Signature

June 3, 2005  
Date of Deposit

Brenda Block Koone  
Battelle Memorial Institute  
505 King Avenue  
Columbus, Ohio 43201-2693  
(614) 424-3298 phone  
(614) 424-3864 facsimile  
kooneb@battelle.org

INTERNATIONAL BUREAU OF WIPO  
34, chemin des Colombettes  
Geneva, Switzerland

10/537503  
JC17 Rec'd PCT/PTO 03 JUN 2005

#3

In re Application of: )  
Battelle Memorial Institute )  
Inventors: Saunders *et al.* ) Our Ref. No: 13920PCT  
Intl. Appln. No.: PCT/US2003/039037 )  
Intl. Filing Date: 05 December 2003 )  
Intl. Publ. No.: WO 2004/054022 A2 )  
Intl. Publ. Date: 24 June 2004 )  
For: METHODS OF REMOVING SULFUR FROM A FUEL CELL ELECTRODE

**REQUEST TO CORRECT INVENTOR/APPLICANT INFO**

Dear Sir:

Errors were made in completing deceased inventor information in the PCT Request for the subject international application. Page 2 of PCT Request, top box, shows "MARKWORTH, Caroline M. (heir of) MARKWORTH, Alan J. (deceased)" and that she is "applicant and inventor" (for US only). Ms. Markworth should have been marked as "applicant only". Her address information follows:

Residence: Columbus, Ohio US

Citizenship: US

Mailing Address: 1694 Gardenstone Drive, Columbus, Ohio 43235 US.

"MARKWORTH, Alan J. (deceased)" should be marked as "inventor only". The address information shown in this box was correct at the time of his death.

Please record these changes and notify all Offices and PCT Authorities accordingly.

The 30-month deadline is 05 June 2005. We understand there is no fee for recording these corrections.

Respectfully submitted,



C. Michael Gegenheimer

Reg. No. ~~37,387~~ 33,387

June 1, 2005

Battelle Memorial Institute  
Intellectual Property Law Dept.  
505 King Avenue  
Columbus, Ohio 43201-2693 US  
(614) 424-4293 phone  
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Gegenheimer@battelle.org

# Battelle

The Business of Innovation

Intellectual Property Law Dept.  
505 King Avenue  
Columbus, OH 43201

10/537503  
JC17 Rec'd PCT/PTO 03 JUN 2005  
Date: June 1, 2005

## Fax

To: International Bureau  
of WIPO

Fax No: (41-22) 338 82 70

Phone No: (41-22) 338 91 11

Company:

From: C. Michael Gegenheimer

Fax No: (614) 424-3864

Phone No: (614) 424-4293

Total Pages: 2 (Including Lead Sheet)

If you have received this communication in error or if you have any problems receiving this communication, please call (614) 424-3298 immediately. Thank you.

*The information contained in this communication is confidential and subject to attorney-client, work product, or other legal privilege. This communication is intended only for the use of the individual or entity named as recipient. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.*

**Please see attached correspondence.  
Confirmation of receipt requested.**

**Thank you.**